

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY USSR

REPORT

SUBJECT Optical Plants in Zagorsk and Izyum

DATE DISTR.

NO. PAGES

REFERENCES

DATE OF INFO.

PLACE & DATE ACQ.

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

Optical Plant No. 6

- Attachment 1 is a four-page report on the Optical Plant No. 6 in Zagorsk. Probably the School Appliances Plant No. 67. The report contains information on the plant location, organization and products as well as a plant layout sketch with 23 points delineated.

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Dzerzhinskiy Optical Plant No. 353

- Attachment 2 is a five-page report on the Dzerzhinskiy Optical Plant in Izyum. The report contains a plant layout sketch, general information on plant production and factory markings data.
- Attachment 3 is a one-page report on the Dzerzhinskiy Optical Plant No. 353 in Izyum. The report contains general information on the plant subordination, labor force and products.

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COUNTRY USSR (Moskovskaya oblast)

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SUBJECT Optical Plant No. 6 in Zagorsk

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OPTICAL PLANT NO. 6 IN ZAGORSK

1. Optical Plant No. 6, located at No. 27 Komsomolskaya ulitsa in Zagorsk, was subordinate to the Ministry of Culture or Education. The plant products, which bore the inscription "Ministry of Education - Plant No. 6", were telescopes, microscopes, low and high power magnifying glasses, and motion picture cameras. The products were packed in wooden boxes, placed in cardboard cartons, and then crated for shipment by rail or truck to their various unspecified destinations.

Utilities and Raw Materials

2. Electric power was supplied by the city power station. Only one small transformer was installed at the plant, and the electrical equipment was operated on 220 and 380 volt current. Water was supplied from the city water system.
3. The raw materials, which were brought to the plant by truck, were crude glass, iron (sic) sheets and bars, lumber, coal, mercury, benzene used in making paint, and dyes.

Organization and Personnel

4. The plant employed approximately 400 male and female workers. The Zavkom consisted of the plant director, CP secretary (Partorg), and the labor union chief (Proforg). The plant director, Abramov, (fnu). In 1956 he became president of the Gorkom, and his replacement was the former president of the Gorkom, name unknown. The chief (starshiy master) of the machine shop was Alekseyev Zaytsev.

5. The plant guard force was made up of about five gray-uniformed, unarmed guards. All plant workers were issued work passes. The city fire brigade serviced the plant.

Plant Layout

6. sketch of the plant layout as reproduced on page There was a two-meter high stone wall along the Komsomolskaya ulitsa side of the plant area, whereas the remainder of the plant grounds was bordered by a two-meter high wooden fence. All plant buildings had galvanized iron roofs. The following legend identifies numerical designations on sketch of the plant layout:

1. Plant club.
2. Workers' quarters and dining room, a brick building.
3. Watchtower located between personnel and vehicular entrances.
4. Administrative offices, a brick building near the personnel entrance.
5. Small food store.
6. First-aid station, a small one-story building.
7. Sports area including handball court.
8. Section of electrical materials, keys, switches and bakelite wheels.

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9. Transformer.
10. Warehouse for crude glass, building materials, such as, cement, tiles, and plaster, a frame structure.
11. Instrument warehouse, a brick building. 50X1-HUM
12. Machine shop, a two-story brick building. The first floor [redacted] contained the machine shop and parts repair shop. There were two planers, four lathes, two rectifiers, and one milling machine, all of Soviet make. The second floor contained the dies section, and the shop office. There were about 40 workers employed in this shop.
13. Showers.
14. An old three-story building which had been a textile mill in 1918. The rear of the first floor contained the boilers which heated the entire plant, the paint shop, three hydraulic steam presses in the center section, and a section which processes crude glass. On the second floor, the glass items were polished. On the third floor glass parts were placed in unspecified instruments.
15. Small building housing electric switchboards.
16. Garage with three or four entrances and parking space of 15 trucks. There were one and one-half ton GAZ-51 trucks, three and one-half ton ZIS-150 trucks, and three-ton ZIS-5 trucks.
17. Frame warehouse for storage of metal plate, barbed wire, bronze, and paint.
18. Two-story brick building; the first floor contained presses, lathes, and milling machines, and the second, the welding shop and polishing section.
19. Forge, a small building.
20. One-story frame warehouse divided into two sections, one of which contained crude glass, the other, finished products.
21. Carpentry shop which made packing boxes and models of parts to be made in metal. [redacted] this frame building was [redacted] enlarged and refaced in brick. 50X1-HUM
22. Gasoline storage tank and pump.
23. Gasoline and lubricants warehouse, a brick structure.

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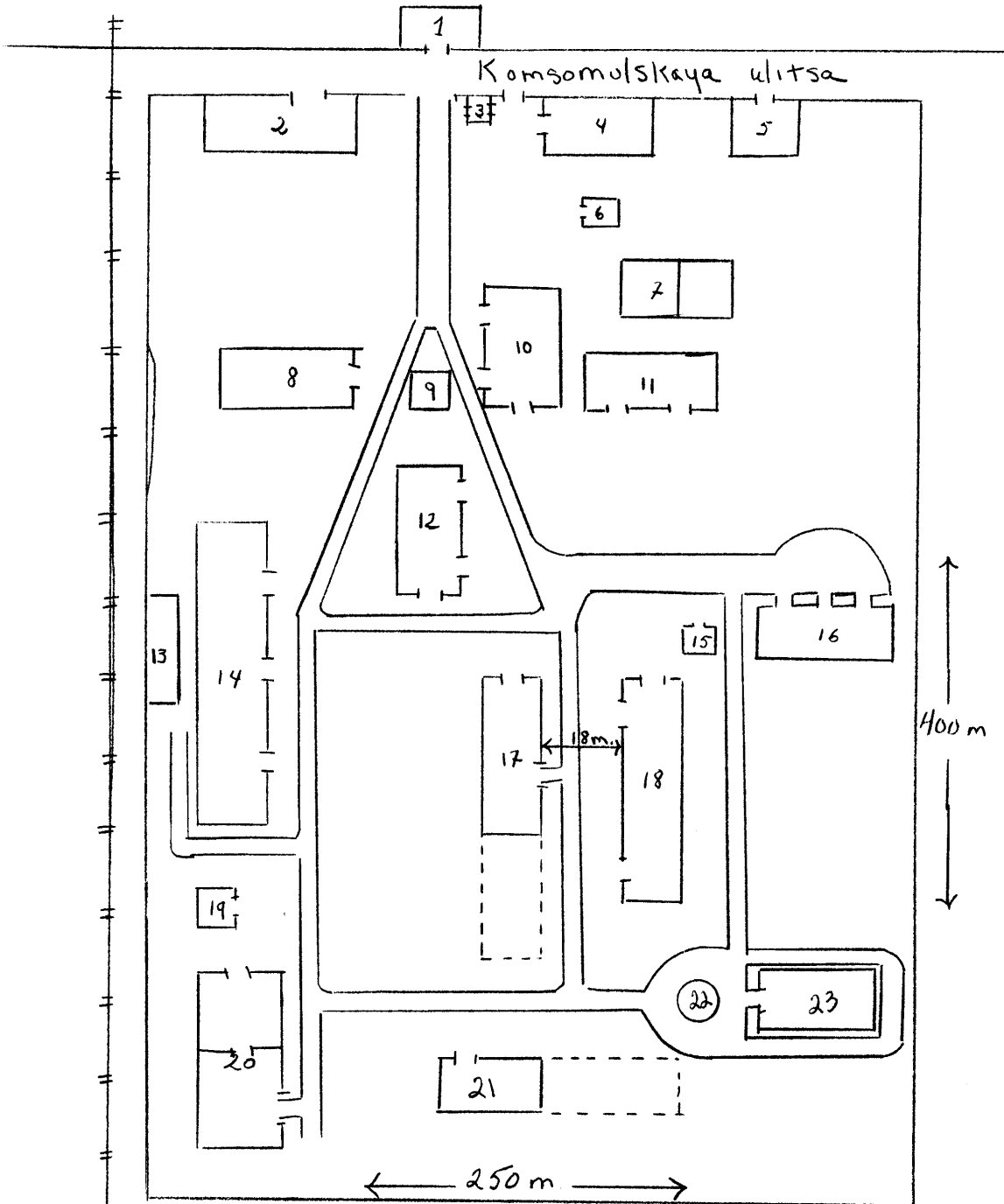
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Sketch of Optical Plant No. 6 in Zagorsk
(not to scale)



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COUNTRY **USSR (Ukrainian SSR)**

REPORT

SUBJECT **Dzerzhinskiy Optical Plant
in Izyum**

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DZERZHINSKIY OPTICAL PLANT IN IZYUM

1. The Dzerzhinskiy Optical Plant in Izyum (N 49-12, E 37-16) was on Nizhnaya Sadovaya ulitsa on the outskirts of the city. Plant shops, designated Nos. 1, 2, 3, 5, 8, 9, 14, 15, and 16, are described in the following legend to sketch No. 1, the plant layout, on page ⁴. Numbers in the legend are keyed to those on the sketch.
 - (1) Shed for wood storage.
 - (2) Carpentry shop No. 9, which made wooden mockups. (See sketch of mockups, Nos. 1 and 2 on sketch No. 2).
 - (3) Coal storage shed.
 - (4) Four-story building, the largest in the plant area, containing the following shops:
 - a. Shop No. 14, occupying the first floor, where foundry molds were finished, graduated lenses were polished, and metallic cases for eyeglasses were manufactured.
 - b. Shop No. 15, comprising the second and third floors, containing approximately 200 planing and milling machines and preparing lenses for all plant products.
 - c. Assembly shop No. 16, occupying the fourth floor, where lenses were mounted in frames and metallic eyeglass cases made in shop No. 14 were painted and finished. There were many packers.
 - (5) Shops Nos. 2 and 3, making molds for glass. The cylindrical molds, made of refractory brick, were about 1.2 meters high and 1.5 meters in diameter. (See No. 4 on sketch No. 2).
 - (6) Electrical shop No. 5, repairing plant machinery.
 - (7) Foundry shop No. 8, where the chuck and mushroom-type buffer (Nos. 1 and 2 on sketch No. 2) for the milling machine and for the buffing machine were cast.
 - (8) Shop No. 1, manufacturing glass.
 - (9) Plant offices.
 - (10) Administrative offices and an auditorium for high-level employees, lectures, and study.
 - (11) Building containing the garage and truck repair shop and a warehouse for all plant products.
 - (12) Guard building.
 - (13) CP and labor union offices.

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2. Plant products were graduated lenses, sunglasses, X-ray screens, a beacon made in 1954 for an unidentified port, and prisms made in 1953 for a lamp weighing about 2,000 kilograms ordered by a sports hall in Kiev. (See sketch of prism, No. 5 on sketch No. 2). The prisms were assembled in a chain in shop No. 16 for later mounting on the lamp. A part of the beacon was also assembled in shop No. 16. The majority of the products were crated and transported by plant truck to the railroad station.

On an unspecified occasion, plant manufactured eyeglasses for sale in Kiev; the market price was 15 rubles. The plant marking was the outline of a pair of eyeglasses superimposed on a rhomboid (No. 3 on sketch No. 2). The marking was printed in black in varying sizes on the envelope in which the eyeglasses or lenses were packed.

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3. The propusk gave the worker's shop number and had to be shown to the guard at the entrance gate if requested,

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The guard at the entrance carried a pistol. During the day, two or three guards with rifles or carbines patrolled the plant area. In each corner of the installation, there was a watchtower in which a guard was on duty at night. Police dogs were also used inside the enclosure at night. the guards were plant employees. Among them were some women. The guards wore a green uniform and service cap.

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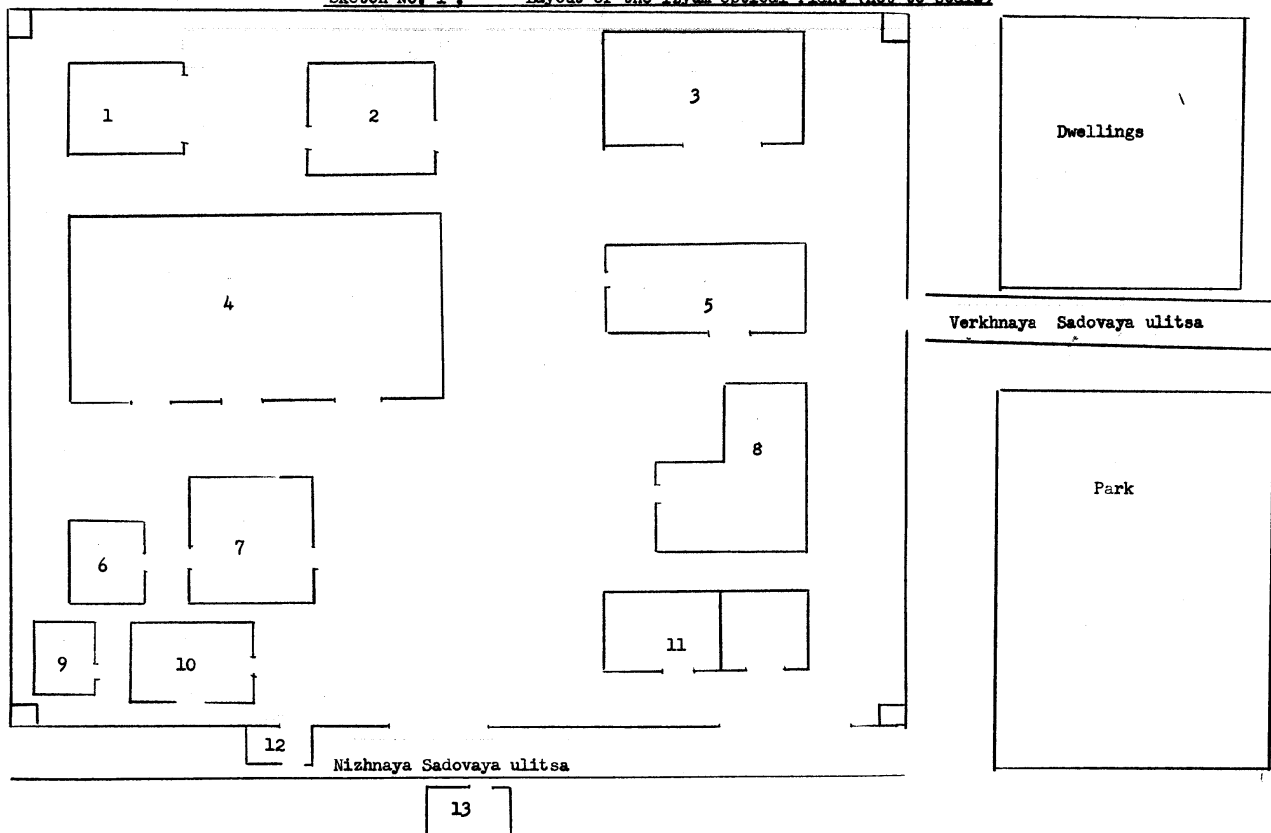
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4. Leonid Stepanovich Rizhev was director of the Dzerzhinskiy Optical Plant.

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Sketch No. 1 : Layout of the Izvum Optical Plant (not to scale)



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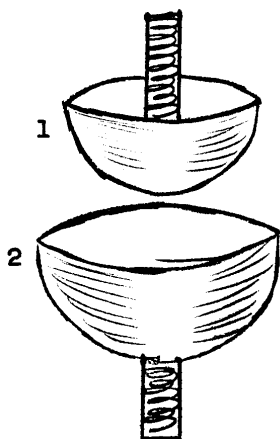
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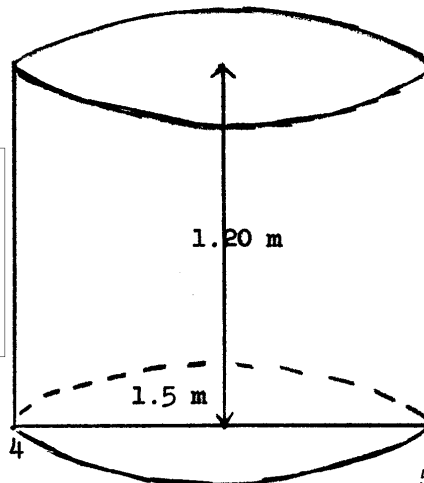
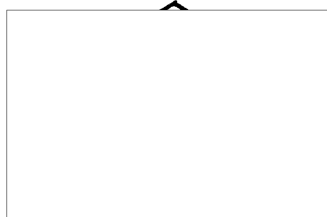
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Sketch No. 2: Molds. Containers. Products and

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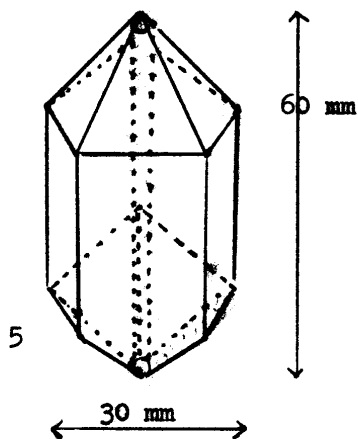
- 1: Mold for mushroom-type buffer.
2: Mold for chuck.



Mold or container for manufacturing of glass

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3 mm drill hole



Actual size, pentagonal prism with pyramidal bases, made in shop No. 16.

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STATE	ARMY	NAVY	AIR	FBI	AEC				
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[REDACTED]

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DZERZHINSKIY OPTICAL PLANT IN IZYUM

1. The Dzerzhinskiy Optical Plant No. 353, on Nizhnaya Sadovaya ulitsa on the outskirts of Izyum (N 49-12, E 37-16) was subordinate to the Ministry of Light Industry until early 1953, when it became subordinate to the Ministry of Defense. Leonid Stepanovich Ryzhov, an MVD officer, became plant director at that time. The plant employed about 5,000 workers and approximately 11,000 lenses for graduated eye glasses and sunglasses were manufactured daily.
2. The interiors of the third and fourth floors of the main plant building were finished when the plant became subordinate to the Ministry of Defense and shops Nos. 15 and 16 were set up, the former occupying the second and third floors of the building and secret shop No. 16, the fourth floor. Shop No. 15 produced lenses graduated from zero to plus seven and from zero to minus seven, with an approximate variation of 0.25 in each graduation. Shop No. 16 manufactured prisms of various shapes and sizes, which [REDACTED] were destined for the Navy and Air Force. Production of beacons in shop No. 16 began after 1954. [REDACTED] the first beacons manufactured was for the port of Leningrad, [REDACTED]
3. The guard at the entrance to the fourth floor was a plant employee. He wore no uniform and carried no visible weapons. [REDACTED]
4. [REDACTED] The items manufactured left shop No. 16 in painted green wooden boxes about 75 cm x 40 cm x 50 cm which [REDACTED] had the marking ZID.
5. The plant propusk stated the worker's shop number.
6. [REDACTED]

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[REDACTED]

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